

## **Appendix A.**

### **Tables**

**City of Topeka, Kansas  
Flood Risk Management Study  
Draft Environmental Assessment**



THIS PAGE INTENTIONALLY LEFT BLANK

Table 1. Topeka, Kansas, Feasibility Study  
Alternatives Matrix

Description of Problem by Levee Unit and Location	All Possible Alternative Corrective Measures Considered					Alternatives screening disscussion	Alternatives carried thru Environmental Analysis
	1	2	3	4	5		
North Topeka Unit, Station 364+60 Fairchild Pump Station Problem: Uplift	Operational changes	Heel Extension	Remove and replace	Remove and Dispose		Fairchild Pump Station out-dated and no longer used or maintained by sponsor. Recommend measure 4.	Remove and Dispose
North Topeka Unit, Station 246+00 to 250+00 Problem: Underseepage	Underseepage berm.	buried collector system.	Relief wells discharging to ground.	Relief wells discharging to manhole w/ temporary pumping.	Relief wells discharging to permanent pump station.	Insufficient area is available to install measure 1. Buried collector system is not as effective as relief wells in reducing underseepage pressures, and are more laborious and expensive. Uplift pressures are not high enough to allow for ground discharge. Pumping only required at times of high flow. Permanent pump station would increase construction cost and future O&M. Recommend measure 4.	Relief wells discharging to manhole w/ temporary pumping
North Topeka Unit, Station 165+00 to 189+00 Problem: Underseepage	Underseepage berm.	buried collector system.	Relief wells discharging to ground.	Relief wells discharging to manhole w/ temporary pumping.	Relief wells discharging to permanent pump station.	Sufficient open land is available to install measures 1, 2, and 3, but buried collector system is not as effective as relief wells in reducing underseepage pressures, and are more laborious and expensive. Uplift pressures are high enough to allow for ground discharge. Recommend either measures 1 or 3.	Underseepage berm and Relief wells
Oakland Unit, Station 220+00 East Oakland Pump Station Problem: Uplift	Operational changes	Heel Extension	Remove and Replace			Measure 1 will not provide sufficient uplift factor of safety. Measure 3 requires more labor and materials and is not more effective than measure 2. Recommend measure 2.	Heel Extension
Oakland Unit, Station 75+50 - Manhole Problem: Uplift	Heel Extension	Remove and Replace				Measure 1 will provide minimum uplift factor of safety. Measure 2 requires more labor and materials is not more effective than measure 2.	Heel Extension
Oakland Unit, Station 485+86 to 491+01 Problem: Sliding Stability	Stability berm	Foundation Mod				Measure 1 will provide minimum sliding stability factor of safety. Measure 2 provides the same effectiveness as measure 1, but is more expensive and complex.	Stability berm
Oakland Unit, Station 64+00 to 80+00 Problem: Underseepage	Underseepage berm.	buried collector system.	Relief wells discharging to ground.	Relief wells discharging to manhole w/ temporary pumping.	Relief wells discharging to permanent pump station.	Sufficient open land is available to install measures 1, 2, and 3. Buried collector system is not as effective as relief wells in reducing underseepage pressures, and are more laborious and expensive. Uplift pressures are high enough to allow ground discharge. Recommend either measures 1 or 3.	Underseepage berm and Relief wells
South Topeka Unit, Station 75+84 Kansas Avenue Pump Station Problem: Strength	Wall Stiffener	Remove and Replace	Remove and Dispose			Measure 1 will provide minimum strength factor of safety. Since the factor of safety can be obtained with measure 1, measures 2 and 3 are not preferred.	Wall stiffener
South Topeka Unit, Station 16+07 - Manhole Problem: Uplift	Heel Extension	Remove and Replace				Measure 1 will provide minimum uplift factor of safety. Measure 2 is more laborious and expensive.	Heel Extension
South Topeka Unit, Station 84+10 - Manhole Problem: Uplift	Heel Extension	Remove and Replace				Measure 1 will provide minimum uplift factor of safety. Measure 2 is more laborious and expensive.	Heel Extension
South Topeka Unit, Station 84+10a - Manhole Problem: Uplift	Heel Extension	Remove and Replace				Measure 1 will provide minimum uplift factor of safety. Measure 2 is more laborious and expensive.	Heel Extension
South Topeka Unit, Station 85+57 - Manhole Problem: Uplift	Heel Extension	Remove and Replace				Measure 1 will provide minimum uplift factor of safety. Measure 2 is more laborious and expensive.	Heel Extension
South Topeka Unit. Station 74+41 to 93+86 Problem: Floodwall foundation weakness	New wall on offset alignment	New wall on existing alignment and replace gate well and sluice gates currently on wall	Earthen Levee behind existing wall	Modify existing wall		Insufficient area is available to implement measures 1 and 3. Measure 4 would be difficult to install and maintain with the existing wall remaining in place. Recommend measure 2.	New floodwall on existing alignment
South Topeka Unit, Station 22+00 to 48+00 Problem: Underseepage	Underseepage berm.	buried collector system.	Relief wells discharging to ground.	Relief wells discharging to manhole w/ temporary pumping.	Relief wells discharging to permanent pump station.	Sufficient open land is available to install measures 1, 2 and 3, however measure 2 is not as effective as measure 3. Uplift pressures are high enough to allow for ground discharge. Recommend either measures 1 or 3.	Underseepage berm and Relief wells
Waterworks Unit, Station 0+78 to 7+00, 10+00 to 16+50 Problem: Sliding Stability	Stability berm	Foundation Mod	Wall replacement			Measure 1 will provide minimum sliding stability factor of safety. Measures 2 and 3 are more laborious and expensive than measure 1.	Stability berm
Waterworks Unit, Station 13+07 to 15+95 Problem: Sliding Stability	Stability berm	Foundation Mod	Wall replacement			Measure 1 will provide minimum sliding stability factor of safety. Measures 2 and 3 are more laborious and expensive than measure 1.	Stability berm

Table 2. Topeka, Kansas, Feasibility Study		Environmental Impacts Summary		
Environmental Resources	Alternatives			
	Recommended Alternative	No-Action	Alternative: Commercial Fill	Alternative: Relief Wells
		No action would result in catastrophic flood damage resulting in significant impacts to a water quality, fisheries and wildlife, extensive property damage and potential loss of human life.	No adverse impacts to aquatic resources or water quality are anticipated to occur.	No impacts on the existing groundwater or flowing conditions and no adverse impacts to aquatic resources or water quality are anticipated.
Aquatic/ Water Quality	No adverse impacts to aquatic resources or water quality would be anticipated from the preferred alternative for the proposed levee units within the project area.	No impacts to wetlands are expected to occur under this alternative.	No impacts to wetlands are expected to occur under this alternative.	No impacts to wetlands are expected to occur under this alternative.
Wetlands	No impacts to wetlands are anticipated.	No action would result in catastrophic flood damage resulting in significant impacts to a water quality, farmland, fisheries and wildlife, extensive property damage and potential loss of human life.	Disturbance of prime farmland would be minor and limited to the construction of under seepage berm within the North Topeka unit.	Disturbance of prime farmland areas would be minor and significantly less than those described under the recommended plan.
Prime and Unique Farmlands	Two prime farmland sites would be impacted to obtain borrow fill. Impacts are considered minor and short-term.	No action would result in catastrophic flood damage resulting in significant impacts to a water quality, fisheries and wildlife, extensive property damage and potential loss of human life.	Impacts to wildlife habitat would result from the removal of approximately nine acres of woodlands for the construction of the underseepage berm at the South Topeka levee unit.	Wildlife habitat within the project area would be avoided.
Wildlife	Impacts to wildlife habitat would result from the permanent removal of approximately 7.5 acres of woodland for the construction of the underseepage berm at the South Topeka levee unit.	No action would result in catastrophic flood damage resulting in significant impacts to a water quality, fisheries and wildlife, extensive property damage and potential loss of human life.	Impacts to woodlands would result from the removal of approximately 7.5 acres of woodland for the construction of the underseepage berm at the South Topeka levee unit. However, those impacts would be offset thru tree plantings and prairie establishment within a 15- acre area along the riverbank.	Impacts to forest and vegetated resources within the project area would be avoided.
Forest/Vegetation	Impacts to woodlands would result from the removal of approximately 7.5 acres of woodland for the construction of the underseepage berm at the South Topeka levee unit. However, those impacts would be offset thru tree plantings and prairie establishment within a 15- acre area along the riverbank.	No action would result in catastrophic flood damage resulting in significant impacts to the aquatic resources are expected to occur under this alternative.	No impacts to the aquatic resources are expected to occur under this alternative.	No impacts to the aquatic resources are expected to occur under this alternative.
Endangered and Threatened Species	No adverse impacts are anticipated.	No action would result in catastrophic flood damage resulting in unregulated and widespread noise from clean-up activities.	Construction activities would not increase noise levels beyond that typical of farming operations or area traffic in the vicinity.	Construction activities would not increase noise levels beyond that typical of farming operations or area traffic in the vicinity.
Cultural	No historic properties are recorded within the area of the proposed alternatives or borrow locations.	No action would result in catastrophic flood damage resulting in the release of a variety of dust, and other contaminants from clean-up activities.	Minor, localized and short-term impacts to air quality in the project area would result from construction activities.	Minor, short-term impacts to air quality in the project area would result from construction activities.
Noise	Construction activities would not increase noise levels beyond that typical of farming operations or area traffic in the vicinity.	No action would result in catastrophic flood damage resulting in widespread aesthetic impacts from deposits of debris, dead trees and property damage.	Under this plan, the roads could receive short term aesthetic impacts of haul material deposited on the established haul travel routes; however, the contractor would be required to immediately remove or clean these materials.	No significant impacts to this resource are anticipated.
Air Quality	Minor, localized, and short-term impacts to air quality in the project area would result from construction activities.	Failure to implement the recommended plan or commercial fill alternative would likely result in an increasing pattern of flood damage in the Oakland, South Topeka and North Topeka areas from large Kansas River events.	This plan would prevent adverse economic impacts, including flood damage (in all but the most catastrophic events) and high insurance premiums, to the protected neighborhoods.	This plan would prevent adverse economic impacts, including flood damage (in all but the most catastrophic events) and high insurance premiums, to the protected neighborhoods.
Visual Quality	Impacts would be temporary, minor and would only occur within the construction areas.	No action would result in catastrophic flood damage affecting large urban neighborhoods. Large employers in the floodplain areas might suffer severe damage. Some small business owners would be ruined by flood damage.	This plan would benefit a large portion of the city's economic base. Specifically would provide protection for several prime areas for economic development in Oakland and North Topeka that are among the best industrial and commercial future development prospects in the region.	This plan would benefit a large portion of the city's economic base. Specifically would provide protection for several prime areas for economic development in Oakland and North Topeka that are among the best industrial and commercial future development prospects in the region.
Demography	This plan would prevent adverse economic impacts, including flood damage (in all but the most catastrophic events) and high insurance premiums, to the protected neighborhoods.	No action could pose a problem to transportation during a 100-year flood event. Area roads could be flooded impairing evacuation and rescue of the local population.	Trucks hauling fill material to the construction site may have temporary impacts to local roads, causing congestion, and possibly causing damage to the roads.	This plan would cause slight disruptions to traffic with the maneuvering of construction equipment to and from the project area.
Development and Economy	This plan would benefit a large portion of the city's economic base. Specifically would provide protection for several prime areas for economic development in Oakland and North Topeka that are among the best industrial and commercial future development prospects in the region.			
Transportation	This plan would cause short-term, minor disruptions to traffic with the maneuvering of construction equipment to and from the project area.			

Table 3: STUDY AREA SOCIOECONOMIC CHARACTERISTICS (RACE)								
Based on 2000 Census								
ANALYSIS AREA	White	Black or African American	American Indian and Alaska Native	Asian	Native Hawaiian and Other Pacific Islander	Some Other Race	Two or More Races	Hispanic or Latino (of any race)
State of Kansas	86.1%	5.7%	0.9%	1.7%	0.0%	3.4%	2.1%	7.0%
Shawnee County	82.9%	9.0%	1.2%	1.0%	0.0%	3.2%	2.7%	7.3%
Topeka MSA	82.9%	9.0%	1.2%	1.0%	0.0%	3.2%	2.7%	7.3%
City of Topeka	78.5%	11.7%	1.3%	1.1%	0.0%	4.1%	3.3%	8.9%
Silver Lake	96.8%	0.1%	0.7%	0.2%	0.1%	0.6%	1.5%	1.8%
AUBURNDALE								
Census Tract 21	79.3%	12.5%	1.4%	0.7%	0.1%	3.3%	2.7%	7.8%
Census Tract 21 - Block Group 4	91.0%	3.8%	0.9%	0.7%	0.0%	0.7%	2.8%	3.4%
Census Tract 21 - Block Group 5	90.1%	3.7%	1.9%	0.6%	0.0%	1.1%	2.6%	3.2%
Census Tract 22	92.4%	2.1%	0.6%	0.3%	0.0%	2.3%	2.3%	4.4%
Census Tract 22 - Block Group 1	89.1%	3.7%	1.3%	0.4%	0.0%	2.1%	3.5%	4.1%
Census Tract 22 - Block Group 3	90.4%	1.9%	0.7%	0.1%	0.0%	3.6%	3.3%	7.0%
Census Tract 41	91.6%	4.0%	0.7%	0.5%	0.0%	1.5%	1.7%	4.6%
Census Tract 41 - Block Group 1	89.4%	5.5%	1.0%	0.4%	0.0%	1.8%	2.0%	4.9%
Census Tract 41 - Block Group 2	93.7%	2.3%	0.8%	0.4%	0.0%	1.2%	1.6%	3.3%
SOUTH TOPEKA								
Census Tract 6	73.8%	11.6%	2.9%	0.5%	0.0%	5.5%	5.9%	12.7%
Census Tract 6 - Block Group 1	80.5%	5.1%	2.7%	0.4%	0.0%	5.7%	5.6%	11.6%
Census Tract 22	92.4%	2.1%	0.6%	0.3%	0.0%	2.3%	2.3%	4.4%
Census Tract 22 - Block Group 1	89.1%	3.7%	1.3%	0.4%	0.0%	2.1%	3.5%	4.1%
Census Tract 40	56.9%	26.1%	2.8%	1.0%	0.0%	9.4%	3.8%	18.8%
Census Tract 40 - Block Group 1	62.7%	8.8%	3.4%	0.0%	0.0%	21.7%	3.4%	34.6%
Census Tract 40 - Block Group 2	58.6%	28.8%	2.9%	1.7%	0.1%	5.5%	2.5%	16.5%
Census Tract 40 - Block Group 3	49.2%	34.8%	2.9%	0.8%	0.0%	8.0%	4.3%	15.3%
OAKLAND								
Census Tract 9	85.7%	2.1%	2.7%	0.3%	0.0%	6.6%	2.5%	12.8%
Census Tract 9 - Block Group 1	82.8%	1.9%	2.7%	0.2%	0.0%	7.9%	4.6%	16.1%
Census Tract 9 - Block Group 2	85.6%	1.8%	2.9%	0.1%	0.0%	6.6%	3.1%	13.1%
Census Tract 9 - Block Group 3	87.3%	1.5%	2.6%	0.8%	0.0%	5.0%	2.8%	10.4%
Census Tract 9 - Block Group 4	86.4%	3.1%	2.6%	0.3%	0.1%	7.0%	0.6%	12.3%
Census Tract 10	74.4%	2.0%	1.7%	0.2%	0.0%	17.0%	4.7%	34.5%
Census Tract 10 - Block Group 1	84.0%	2.1%	1.0%	0.0%	0.0%	8.3%	4.5%	22.6%
Census Tract 10 - Block Group 2	78.0%	1.9%	1.8%	0.6%	0.0%	14.7%	3.0%	25.9%
Census Tract 10 - Block Group 3	66.4%	0.5%	2.4%	0.0%	0.0%	24.8%	5.8%	52.9%
Census Tract 10 - Block Group 4	68.5%	2.8%	1.6%	0.2%	0.0%	21.2%	5.7%	40.6%
Census Tract 11	46.8%	20.4%	2.3%	0.0%	0.0%	23.6%	6.9%	40.8%
Census Tract 11 - Block Group 1	52.3%	23.4%	2.1%	0.0%	0.0%	16.7%	5.4%	28.6%
Census Tract 11 - Block Group 2	44.0%	19.0%	2.2%	0.1%	0.0%	25.6%	9.0%	41.5%
Census Tract 11 - Block Group 3	44.3%	18.9%	2.6%	0.0%	0.0%	27.9%	6.4%	51.1%
NORTH TOPEKA								
Census Tract 7	87.0%	6.3%	1.7%	0.3%	0.0%	1.5%	3.1%	5.3%
Census Tract 7 - Block Group 1	87.4%	5.9%	2.2%	0.0%	0.0%	1.4%	3.1%	4.3%
Census Tract 7 - Block Group 2	86.7%	6.5%	1.4%	0.5%	0.0%	1.6%	3.1%	5.8%
Census Tract 8	88.6%	3.4%	2.8%	0.4%	0.0%	1.6%	3.0%	5.3%
Census Tract 8 - Block Group 1	94.6%	1.2%	1.7%	0.2%	0.0%	0.4%	1.9%	3.1%
Census Tract 8 - Block Group 2	92.2%	2.9%	1.2%	0.0%	0.1%	1.1%	2.4%	3.3%
Census Tract 8 - Block Group 3	86.0%	4.2%	2.1%	1.2%	0.0%	2.5%	4.0%	8.3%
Census Tract 8 - Block Group 4	82.5%	5.1%	5.9%	0.2%	0.0%	2.5%	3.8%	6.4%
Census Tract 34	96.6%	0.6%	0.7%	0.3%	0.1%	0.5%	1.3%	2.4%
Census Tract 34 - Block Group 2	96.2%	1.0%	0.6%	0.4%	0.1%	0.6%	1.2%	2.2%
Census Tract 35	96.4%	0.3%	0.9%	0.3%	0.0%	0.8%	1.2%	2.0%
Census Tract 35 - Block Group 1	96.5%	0.6%	0.9%	0.2%	0.0%	0.9%	0.9%	1.5%
SOLDIER CREEK URBAN								
Census Tract 8	88.6%	3.4%	2.8%	0.4%	0.0%	1.6%	3.0%	5.3%
Census Tract 8 - Block Group 1	94.6%	1.2%	1.7%	0.2%	0.0%	0.4%	1.9%	3.1%
Census Tract 33.01	95.2%	0.8%	1.1%	0.3%	0.0%	1.5%	1.2%	5.0%
Census Tract 33.01 - Block Group 1	95.2%	0.8%	1.1%	0.3%	0.0%	1.5%	1.2%	5.0%
Census Tract 34	96.6%	0.6%	0.7%	0.3%	0.1%	0.5%	1.3%	2.4%
Census Tract 34 - Block Group 1	96.9%	0.3%	0.9%	0.3%	0.0%	0.4%	1.2%	2.6%
Census Tract 34 - Block Group 2	96.2%	1.0%	0.6%	0.4%	0.1%	0.6%	1.2%	2.2%
Census Tract 35	96.4%	0.3%	0.9%	0.3%	0.0%	0.8%	1.2%	2.0%
Census Tract 35 - Block Group 1	96.5%	0.6%	0.9%	0.2%	0.0%	0.9%	0.9%	1.5%

**Table 4: STUDY AREA SOCIOECONOMIC CHARACTERISTICS (MINORITY&POVERTY)**

Based on 2000 Census

ANALYSIS AREA	Black or African American	American Indian and Alaska Native	Asian	Native Hawaiian and Other Pacific Islander	Some Other Race	Two or More Races	Hispanic or Latino (of Any Race)	% Below Poverty in 1999
<b>State of Kansas</b>	5.7%	0.9%	1.7%	0.0%	3.4%	2.1%	7.0%	9.9%
<b>Shawnee County</b>	9.0%	1.2%	1.0%	0.0%	3.2%	2.7%	7.3%	9.6%
<b>Topeka MSA</b>	9.0%	1.2%	1.0%	0.0%	3.2%	2.7%	7.3%	9.6%
<b>City of Topeka</b>	11.7%	1.3%	1.1%	0.0%	4.1%	3.3%	8.9%	12.4%
<b>Silver Lake</b>	0.1%	0.7%	0.2%	0.1%	0.6%	1.5%	1.8%	4.2%
<b>AUBURNDALE</b>								
Census Tract 21	12.5%	1.4%	0.7%	0.1%	3.3%	2.7%	7.8%	6.7%
Census Tract 21 - Block Group 4	3.8%	0.9%	0.7%	0.0%	0.7%	2.8%	3.4%	1.7%
Census Tract 21 - Block Group 5	3.7%	1.9%	0.6%	0.0%	1.1%	2.6%	3.2%	5.8%
Census Tract 22	2.1%	0.6%	0.3%	0.0%	2.3%	2.3%	4.4%	6.4%
Census Tract 22 - Block Group 1	3.7%	1.3%	0.4%	0.0%	2.1%	3.5%	4.1%	10.3%
Census Tract 22 - Block Group 3	1.9%	0.7%	0.1%	0.0%	3.6%	3.3%	7.0%	9.6%
Census Tract 41	4.0%	0.7%	0.5%	0.0%	1.5%	1.7%	4.6%	6.5%
Census Tract 41 - Block Group 1	5.5%	1.0%	0.4%	0.0%	1.8%	2.0%	4.9%	5.7%
Census Tract 41 - Block Group 2	2.3%	0.8%	0.4%	0.0%	1.2%	1.6%	3.3%	3.2%
<b>SOUTH TOPEKA</b>								
Census Tract 6	11.6%	2.9%	0.5%	0.0%	5.5%	5.9%	12.7%	33.2%
Census Tract 6 - Block Group 1	5.1%	2.7%	0.4%	0.0%	5.7%	5.6%	11.6%	42.0%
Census Tract 22	2.1%	0.6%	0.3%	0.0%	2.3%	2.3%	4.4%	6.4%
Census Tract 22 - Block Group 1	3.7%	1.3%	0.4%	0.0%	2.1%	3.5%	4.1%	10.3%
Census Tract 40	26.1%	2.8%	1.0%	0.0%	9.4%	3.8%	18.8%	37.5%
Census Tract 40 - Block Group 1	8.8%	3.4%	0.0%	0.0%	21.7%	3.4%	34.6%	35.2%
Census Tract 40 - Block Group 2	28.8%	2.9%	1.7%	0.1%	5.5%	2.5%	16.5%	36.0%
Census Tract 40 - Block Group 3	34.8%	2.9%	0.8%	0.0%	8.0%	4.3%	15.3%	41.0%
<b>OAKLAND</b>								
Census Tract 9	2.1%	2.7%	0.3%	0.0%	6.6%	2.5%	12.8%	8.7%
Census Tract 9 - Block Group 1	1.9%	2.7%	0.2%	0.0%	7.9%	4.6%	16.1%	0.0%
Census Tract 9 - Block Group 2	1.8%	2.9%	0.1%	0.0%	6.6%	3.1%	13.1%	7.3%
Census Tract 9 - Block Group 3	1.5%	2.6%	0.8%	0.0%	5.0%	2.8%	10.4%	12.9%
Census Tract 9 - Block Group 4	3.1%	2.6%	0.3%	0.1%	7.0%	0.6%	12.3%	12.4%
Census Tract 10	2.0%	1.7%	0.2%	0.0%	17.0%	4.7%	34.5%	11.9%
Census Tract 10 - Block Group 1	2.1%	1.0%	0.0%	0.0%	8.3%	4.5%	22.6%	8.2%
Census Tract 10 - Block Group 2	1.9%	1.8%	0.6%	0.0%	14.7%	3.0%	25.9%	10.8%
Census Tract 10 - Block Group 3	0.5%	2.4%	0.0%	0.0%	24.8%	5.8%	52.9%	10.9%
Census Tract 10 - Block Group 4	2.8%	1.6%	0.2%	0.0%	21.2%	5.7%	40.6%	16.0%
Census Tract 11	20.4%	2.3%	0.0%	0.0%	23.6%	6.9%	40.8%	26.5%
Census Tract 11 - Block Group 1	23.4%	2.1%	0.0%	0.0%	16.7%	5.4%	28.6%	20.4%
Census Tract 11 - Block Group 2	19.0%	2.2%	0.1%	0.0%	25.6%	9.0%	41.5%	32.1%
Census Tract 11 - Block Group 3	18.9%	2.6%	0.0%	0.0%	27.9%	6.4%	51.1%	27.1%
<b>NORTH TOPEKA</b>								
Census Tract 7	6.3%	1.7%	0.3%	0.0%	1.5%	3.1%	5.3%	14.0%
Census Tract 7 - Block Group 1	5.9%	2.2%	0.0%	0.0%	1.4%	3.1%	4.3%	12.4%
Census Tract 7 - Block Group 2	6.5%	1.4%	0.5%	0.0%	1.6%	3.1%	5.8%	15.2%
Census Tract 8	3.4%	2.8%	0.4%	0.0%	1.6%	3.0%	5.3%	19.8%
Census Tract 8 - Block Group 1	1.2%	1.7%	0.2%	0.0%	0.4%	1.9%	3.1%	8.6%
Census Tract 8 - Block Group 2	2.9%	1.2%	0.0%	0.1%	1.1%	2.4%	3.3%	17.0%
Census Tract 8 - Block Group 3	4.2%	2.1%	1.2%	0.0%	2.5%	4.0%	8.3%	24.3%
Census Tract 8 - Block Group 4	5.1%	5.9%	0.2%	0.0%	2.5%	3.8%	6.4%	27.9%
Census Tract 34	0.6%	0.7%	0.3%	0.1%	0.5%	1.3%	2.4%	2.2%
Census Tract 34 - Block Group 2	1.0%	0.6%	0.4%	0.1%	0.6%	1.2%	2.2%	3.0%
Census Tract 35	0.3%	0.9%	0.3%	0.0%	0.8%	1.2%	2.0%	2.5%
Census Tract 35 - Block Group 1	0.6%	0.9%	0.2%	0.0%	0.9%	0.9%	1.5%	2.0%
<b>SOLDIER CREEK URBAN</b>								
Census Tract 8	3.4%	2.8%	0.4%	0.0%	1.6%	3.0%	5.3%	19.8%
Census Tract 8 - Block Group 1	1.2%	1.7%	0.2%	0.0%	0.4%	1.9%	3.1%	8.6%
Census Tract 33.01	0.8%	1.1%	0.3%	0.0%	1.5%	1.2%	5.0%	0.5%
Census Tract 33.01 - Block Group 1	0.8%	1.1%	0.3%	0.0%	1.5%	1.2%	5.0%	0.5%
Census Tract 34	0.6%	0.7%	0.3%	0.1%	0.5%	1.3%	2.4%	2.2%
Census Tract 34 - Block Group 1	0.3%	0.9%	0.3%	0.0%	0.4%	1.2%	2.6%	2.9%
Census Tract 34 - Block Group 2	1.0%	0.6%	0.4%	0.1%	0.6%	1.2%	2.2%	3.0%
Census Tract 35	0.3%	0.9%	0.3%	0.0%	0.8%	1.2%	2.0%	2.5%
Census Tract 35 - Block Group 1	0.6%	0.9%	0.2%	0.0%	0.9%	0.9%	1.5%	2.0%

Table 5: STUDY AREA SOCIOECONOMIC CHARACTERISTICS (EDUCATION)		
Based on 2000 Census		
ANALYSIS AREA	Percent High School Graduate or Higher	Percent Bachelor's Degree or Higher
State of Kansas	86.0%	25.8%
Shawnee County	88.1%	26.0%
Topeka MSA	88.1%	26.1%
City of Topeka	85.9%	25.3%
Silver Lake	92.5%	22.3%
<b>AUBURNDALE</b>		
Census Tract 21	87.0%	24.4%
Census Tract 21 - Block Group 4	86.4%	25.8%
Census Tract 21 - Block Group 5	96.1%	23.8%
Census Tract 22	88.9%	28.2%
Census Tract 22 - Block Group 1	93.0%	27.2%
Census Tract 22 - Block Group 3	81.3%	18.5%
Census Tract 41	89.3%	25.3%
Census Tract 41 - Block Group 1	86.8%	21.2%
Census Tract 41 - Block Group 2	94.5%	33.7%
<b>SOUTH TOPEKA</b>		
Census Tract 6	79.6%	12.0%
Census Tract 6 - Block Group 1	78.0%	5.3%
Census Tract 22	88.9%	28.2%
Census Tract 22 - Block Group 1	93.0%	27.2%
Census Tract 40	70.7%	6.7%
Census Tract 40 - Block Group 1	61.3%	8.1%
Census Tract 40 - Block Group 2	80.8%	4.7%
Census Tract 40 - Block Group 3	58.4%	4.0%
<b>OAKLAND</b>		
Census Tract 9	79.8%	7.2%
Census Tract 9 - Block Group 1	83.8%	9.4%
Census Tract 9 - Block Group 2	83.2%	9.3%
Census Tract 9 - Block Group 3	84.0%	5.2%
Census Tract 9 - Block Group 4	71.8%	5.4%
Census Tract 10	71.2%	6.6%
Census Tract 10 - Block Group 1	67.2%	10.2%
Census Tract 10 - Block Group 2	73.3%	5.4%
Census Tract 10 - Block Group 3	79.1%	5.2%
Census Tract 10 - Block Group 4	68.1%	5.1%
Census Tract 11	58.5%	4.7%
Census Tract 11 - Block Group 1	62.7%	5.7%
Census Tract 11 - Block Group 2	60.1%	4.5%
Census Tract 11 - Block Group 3	53.3%	4.1%
<b>NORTH TOPEKA</b>		
Census Tract 7	78.5%	5.9%
Census Tract 7 - Block Group 1	76.1%	7.0%
Census Tract 7 - Block Group 2	80.0%	5.2%
Census Tract 8	71.0%	5.9%
Census Tract 8 - Block Group 1	74.8%	9.3%
Census Tract 8 - Block Group 2	80.7%	5.0%
Census Tract 8 - Block Group 3	71.3%	7.9%
Census Tract 8 - Block Group 4	58.5%	2.0%
Census Tract 34	93.4%	23.6%
Census Tract 34 - Block Group 2	95.7%	24.8%
Census Tract 35	92.3%	20.2%
Census Tract 35 - Block Group 1	95.1%	23.5%
<b>SOLDIER CREEK URBAN</b>		
Census Tract 8	71.0%	5.9%
Census Tract 8 - Block Group 1	74.8%	9.3%
Census Tract 33.01	91.4%	16.8%
Census Tract 33.01 - Block Group 1	91.4%	16.8%
Census Tract 34	93.4%	23.6%
Census Tract 34 - Block Group 1	95.0%	26.1%
Census Tract 34 - Block Group 2	95.7%	24.8%
Census Tract 35	92.3%	20.2%
Census Tract 35 - Block Group 1	95.1%	23.5%

Table 6: STUDY AREA SOCIOECONOMIC CHARACTERISTICS (LANGUAGE)		
Based on 2000 Census		
ANALYSIS AREA	Language Spoken at Home: English Only	Speak English Less than "Very Well"
State of Kansas	91.3%	3.9%
Shawnee County	93.9%	2.4%
Topeka MSA	93.9%	2.4%
City of Topeka	93.0%	2.8%
Silver Lake	98.2%	0.3%
<b>AUBURNDALE</b>		
Census Tract 21	94.4%	2.4%
Census Tract 21 - Block Group 4	96.5%	1.0%
Census Tract 21 - Block Group 5	100.0%	0.0%
Census Tract 22	96.2%	2.3%
Census Tract 22 - Block Group 1	100.0%	0.0%
Census Tract 22 - Block Group 3	90.9%	6.4%
Census Tract 41	96.7%	0.9%
Census Tract 41 - Block Group 1	96.7%	0.9%
Census Tract 41 - Block Group 2	97.9%	1.0%
<b>SOUTH TOPEKA</b>		
Census Tract 6	97.5%	1.0%
Census Tract 6 - Block Group 1	98.7%	0.7%
Census Tract 22	96.2%	2.3%
Census Tract 22 - Block Group 1	100.0%	0.0%
Census Tract 40	83.6%	7.4%
Census Tract 40 - Block Group 1	66.2%	15.8%
Census Tract 40 - Block Group 2	90.9%	3.4%
Census Tract 40 - Block Group 3	93.5%	3.0%
<b>OAKLAND</b>		
Census Tract 9	96.2%	1.4%
Census Tract 9 - Block Group 1	98.5%	0.0%
Census Tract 9 - Block Group 2	94.5%	2.2%
Census Tract 9 - Block Group 3	97.7%	1.1%
Census Tract 9 - Block Group 4	95.6%	1.6%
Census Tract 10	82.8%	7.5%
Census Tract 10 - Block Group 1	84.2%	7.3%
Census Tract 10 - Block Group 2	81.6%	10.2%
Census Tract 10 - Block Group 3	78.1%	11.0%
Census Tract 10 - Block Group 4	85.8%	3.3%
Census Tract 11	68.8%	19.2%
Census Tract 11 - Block Group 1	85.7%	11.5%
Census Tract 11 - Block Group 2	67.2%	16.4%
Census Tract 11 - Block Group 3	55.5%	27.8%
<b>NORTH TOPEKA</b>		
Census Tract 7	94.0%	1.7%
Census Tract 7 - Block Group 1	90.7%	3.0%
Census Tract 7 - Block Group 2	96.1%	0.9%
Census Tract 8	95.5%	2.0%
Census Tract 8 - Block Group 1	96.7%	2.0%
Census Tract 8 - Block Group 2	98.6%	0.0%
Census Tract 8 - Block Group 3	94.8%	2.8%
Census Tract 8 - Block Group 4	92.4%	3.1%
Census Tract 34	97.0%	1.0%
Census Tract 34 - Block Group 2	97.5%	0.7%
Census Tract 35	96.8%	0.9%
Census Tract 35 - Block Group 1	95.4%	1.5%
<b>SOLDIER CREEK URBAN</b>		
Census Tract 8	95.5%	2.0%
Census Tract 8 - Block Group 1	96.7%	2.0%
Census Tract 33.01	97.8%	0.9%
Census Tract 33.01 - Block Group 1	97.8%	0.9%
Census Tract 34	97.0%	1.0%
Census Tract 34 - Block Group 1	95.6%	2.1%
Census Tract 34 - Block Group 2	97.5%	0.7%
Census Tract 35	96.8%	0.9%
Census Tract 35 - Block Group 1	95.4%	1.5%



Table 7: STUDY AREA SOCIOECONOMIC CHARACTERISTICS (AGE)				
Based on 2000 Census				
ANALYSIS AREA	Median Age	% Under 5	% Under 18	% 65 and Over
State of Kansas	35.3	7.0%	26.5%	13.2%
Shawnee County	37.2	6.8%	25.2%	13.7%
Topeka MSA	37.1	6.8%	25.3%	13.7%
City of Topeka	36.4	7.1%	24.3%	15.0%
Silver Lake	37.1	5.9%	28.3%	10.8%
AUBURNDALE				
Census Tract 21	34.3	7.0%	23.3%	14.9%
Census Tract 21 - Block Group 4	36.4	6.4%	19.6%	16.2%
Census Tract 21 - Block Group 5	36.7	6.1%	22.1%	12.8%
Census Tract 22	39.4	7.9%	25.2%	16.7%
Census Tract 22 - Block Group 1	36.1	6.3%	26.5%	11.5%
Census Tract 22 - Block Group 3	39.1	7.7%	21.4%	15.7%
Census Tract 41	37.0	6.6%	18.4%	19.3%
Census Tract 41 - Block Group 1	40.2	5.3%	12.7%	26.7%
Census Tract 41 - Block Group 2	35.1	6.6%	21.7%	13.9%
SOUTH TOPEKA				
Census Tract 6	30.5	9.3%	29.5%	8.4%
Census Tract 6 - Block Group 1	30.6	9.9%	29.6%	9.8%
Census Tract 22	39.4	7.9%	25.2%	16.7%
Census Tract 22 - Block Group 1	36.1	6.3%	26.5%	11.5%
Census Tract 40	34.8	9.0%	21.5%	11.7%
Census Tract 40 - Block Group 1	32.7	7.2%	25.5%	11.2%
Census Tract 40 - Block Group 2	33.4	1.9%	12.9%	6.4%
Census Tract 40 - Block Group 3	34.8	9.0%	28.2%	14.6%
OAKLAND				
Census Tract 9	35.7	7.0%	26.1%	14.6%
Census Tract 9 - Block Group 1	31.1	9.8%	30.1%	12.9%
Census Tract 9 - Block Group 2	32.1	8.5%	26.8%	12.2%
Census Tract 9 - Block Group 3	37.4	6.1%	24.3%	16.6%
Census Tract 9 - Block Group 4	41.4	4.8%	24.3%	17.6%
Census Tract 10	39.6	6.7%	24.7%	16.6%
Census Tract 10 - Block Group 1	43.7	5.7%	20.2%	21.4%
Census Tract 10 - Block Group 2	34.4	7.3%	26.6%	14.0%
Census Tract 10 - Block Group 3	38.2	6.8%	24.0%	20.5%
Census Tract 10 - Block Group 4	36.8	9.0%	25.8%	16.2%
Census Tract 11	28.5	10.1%	34.2%	10.6%
Census Tract 11 - Block Group 1	30.3	10.2%	32.7%	14.7%
Census Tract 11 - Block Group 2	28.4	11.1%	34.5%	9.1%
Census Tract 11 - Block Group 3	28.6	9.7%	34.0%	8.7%
NORTH TOPEKA				
Census Tract 7	32.0	7.7%	31.3%	11.5%
Census Tract 7 - Block Group 1	35.1	7.7%	27.1%	15.9%
Census Tract 7 - Block Group 2	29.3	6.7%	32.6%	9.8%
Census Tract 8	38.2	7.4%	23.8%	13.4%
Census Tract 8 - Block Group 1	35.7	7.0%	24.5%	10.6%
Census Tract 8 - Block Group 2	40.2	6.7%	21.7%	17.6%
Census Tract 8 - Block Group 3	40.6	6.3%	24.1%	14.5%
Census Tract 8 - Block Group 4	37.8	8.1%	23.6%	13.5%
Census Tract 34	39.8	6.0%	26.4%	10.4%
Census Tract 34 - Block Group 2	38.7	6.5%	27.4%	7.2%
Census Tract 35	37.4	6.2%	29.5%	11.2%
Census Tract 35 - Block Group 1	39.0	5.1%	29.5%	9.3%
SOLDIER CREEK URBAN				
Census Tract 8	38.2	7.4%	23.8%	13.4%
Census Tract 8 - Block Group 1	35.7	7.0%	24.5%	10.6%
Census Tract 33.01	40.9	6.0%	25.4%	13.8%
Census Tract 33.01 - Block Group 1	40.9	6.0%	25.4%	13.8%
Census Tract 34	39.8	6.0%	26.4%	10.4%
Census Tract 34 - Block Group 1	41.7	6.1%	24.5%	14.9%
Census Tract 34 - Block Group 2	38.7	6.5%	27.4%	7.2%
Census Tract 35	37.4	6.2%	29.5%	11.2%
Census Tract 35 - Block Group 1	39.0	5.1%	29.5%	9.3%

THIS PAGE INTENTIONALLY LEFT BLANK